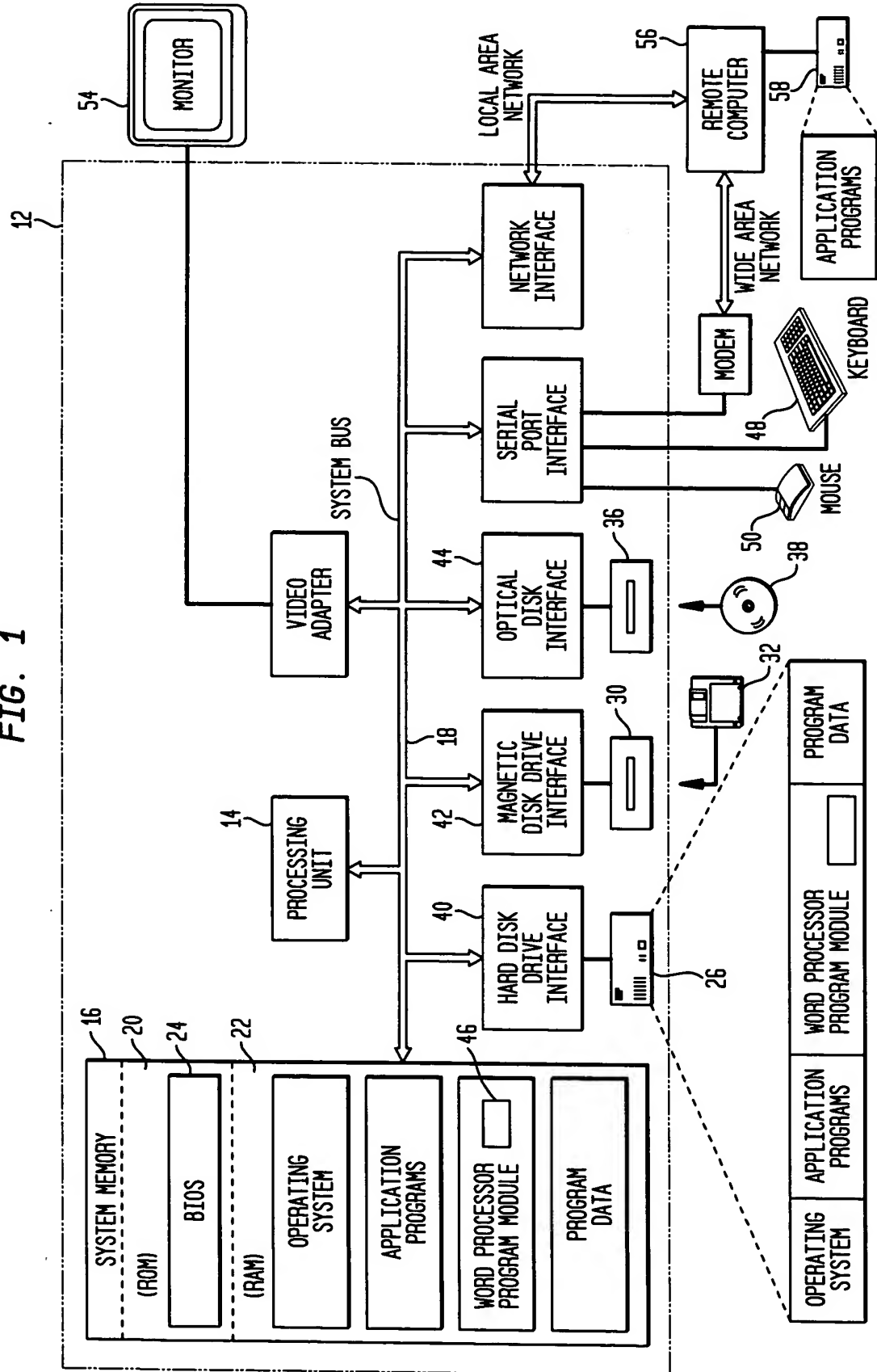


FIG. 1



60

FIG. 2

H1COL1	H1COL2	H1COL3	H2COL1	H1COL4 H2COL2	H2COL3	H1COL5 H2COL4	>HLEVEL1 >HLEVEL2
x y	x y	x y	x y	x y	x y	x y	

62

FIG. 3

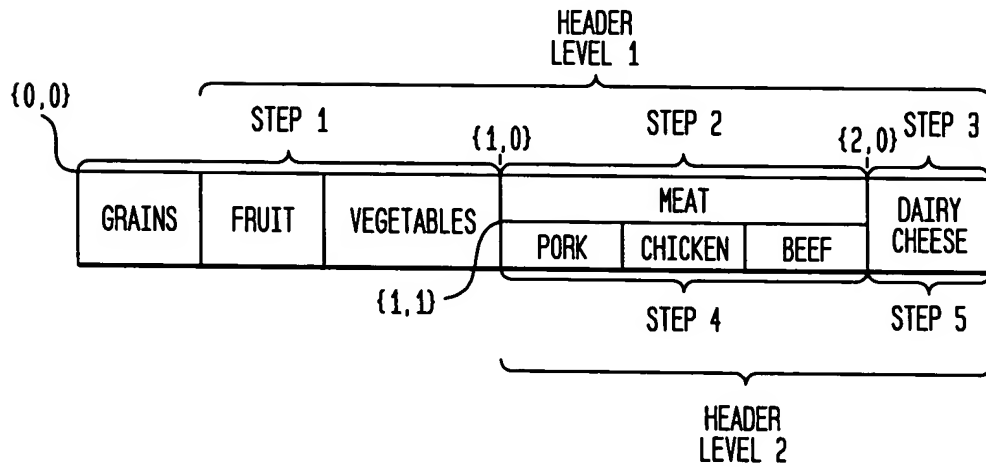


FIG. 4

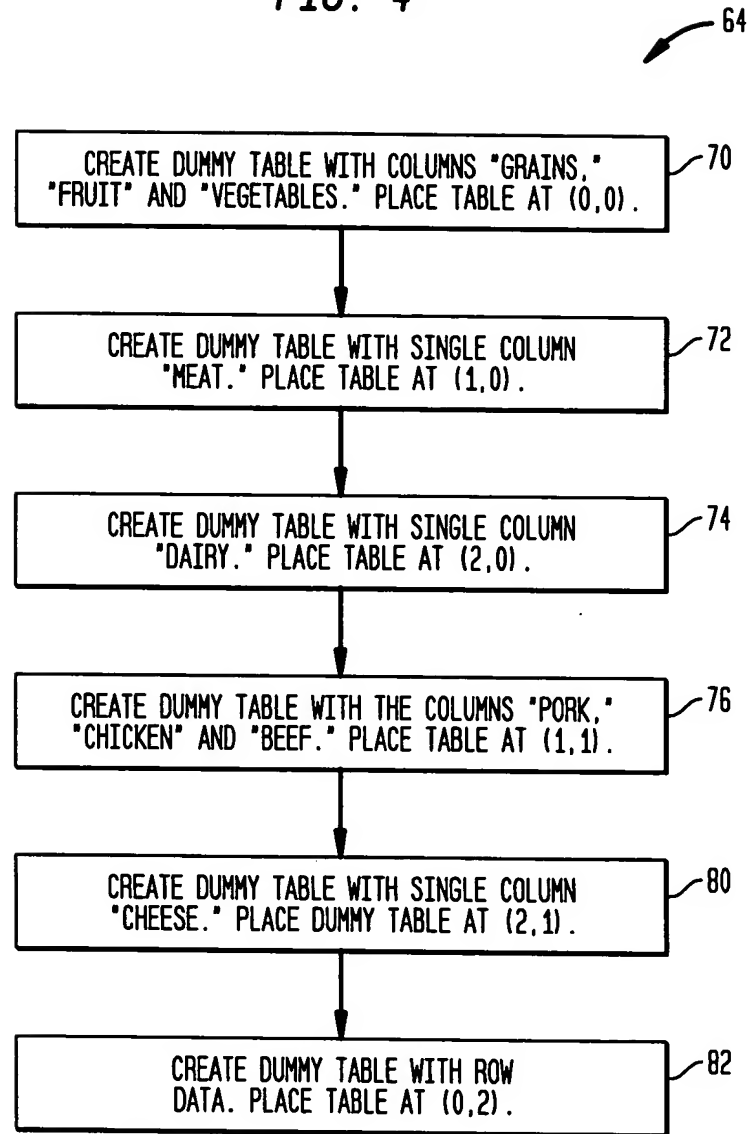


FIG. 5

718. 3

66

$\{0,0\}$

$\{2,0\}$

$\{1,0\}$

$\{1,1\}$

$\{2,0\}$

$\{2,1\}$

GRAINS	FRUIT	VEGETABLES	MEAT			DAIRY
			PORK	CHICKEN	BEEF	CHEESE
WHEAT	APRICOTS	BROCCOLI		WINGS		
	KIWI		LOIN			
7-GRAIN					T-BONE	
	STRAWBERRIES					PROVOLONE

DATA TABLE

FIG. 6

BEFORE COLUMN RE-ORDERING 2nd HEADER
LEVEL

66

B4	GRAINS	FRUIT	VEGETABLES	MEAT			DAIRY
				PORK	CHICKEN	BEEF	CHEESE
	WHEAT	APRICOTS	BROCCOLI		WINGS		
		KIWI		LOIN			
	7-GRAIN					T-BONE	
		STRAWBERRIES					PROVOLONE

DISPLAY
INDEX = 0

DISPLAY
INDEX = 1

DISPLAY
INDEX = 2

DISPLAY
INDEX = 3

DISPLAY
INDEX = 4

DISPLAY
INDEX = 5

DISPLAY
INDEX = 6

DATA
LOCATION
INDEX = 0

DATA
LOCATION
INDEX = 1

DATA
LOCATION
INDEX = 2

DATA
LOCATION
INDEX = 3

DATA
LOCATION
INDEX = 4

DATA
LOCATION
INDEX = 5

DATA
LOCATION
INDEX = 6

FIG. 7

AFTER COLUMN RE-ORDERING 2nd HEADER LEVEL

GRAINS	FRUIT	VEGETABLES	MEAT			DAIRY
			CHICKEN	PORK	BEEF	CHEESE
WHEAT	APRICOTS	BROCCOLI	WINGS			
	KIWI			LOIN		
7-GRAIN					T-BONE	
	STRAWBERRIES					PROVOLONE

84 ↗

DISPLAY INDEX = 0 DISPLAY INDEX = 1 DISPLAY INDEX = 2 DISPLAY INDEX = 3 DISPLAY INDEX = 4 DISPLAY INDEX = 5 DISPLAY INDEX = 6
 DATA LOCATION INDEX = 0 DATA LOCATION INDEX = 1 DATA LOCATION INDEX = 2 DATA LOCATION INDEX = 4 DATA LOCATION INDEX = 3 DATA LOCATION INDEX = 5 DATA LOCATION INDEX = 6

FIG. 8

AFTER COLUMN RE-ORDERING 1st HEADER LEVEL

GRAINS	FRUIT	VEGETABLES	DAIRY	MEAT		
			CHEESE	CHICKEN	PORK	BEEF
WHEAT	APRICOTS	BROCCOLI		WINGS		
	KIWI				LOIN	
7-GRAIN						T-BONE
	STRAWBERRIES		PROVOLONE			

84 ↗

DISPLAY INDEX = 0 DISPLAY INDEX = 1 DISPLAY INDEX = 2 DISPLAY INDEX = 3 DISPLAY INDEX = 4 DISPLAY INDEX = 5 DISPLAY INDEX = 6
 DATA LOCATION INDEX = 0 DATA LOCATION INDEX = 1 DATA LOCATION INDEX = 2 DATA LOCATION INDEX = 6 DATA LOCATION INDEX = 4 DATA LOCATION INDEX = 3 DATA LOCATION INDEX = 5